

Unit Title: Lathe Turning Operations

Lesson Title: Knurling

Objectives (Write 2-5 objectives stating expected learner outcomes.):

Materials/Resources Needed:

Anticipatory Set

Objective/Purpose (For the student's benefit, explain what students will be able to do by the end of the lesson and why these objectives are important to accomplish.):

Input (What information is essential for the student to know before beginning and how will this skill be communicated to students?):

Model (If you will be demonstrating the skill or competence, how will this be done?):

Check for Understanding (Identify strategies to be used to determine if students have learned the objectives.):

Guided Practice (List activities which will be used to guide student practice and provide a time frame for completing this practice.):

Closure: An *exit slip* with the following questions:

1. What are knurls used for?
2. What speed should Knurling be done at
3. Is metal being cut when knurling?
4. Why is tailstock essential when knurling?

Independent Practice

In your planner, write “bring in an object from home or a picture” of an object that has been knurled with a brief description of the object, any similarities, or differences to the knurled part.